

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Mingchih M. Tseng et al. Art Unit :
Serial No. : Examiner :
Filed : September 15, 2003
Title : COLOR CHANGING MATRIX AS WEAR INDICATOR

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are not enclosed.

Under 35 U.S.C. § 120, this application relies on the earlier filing date of application serial number pending U.S. Serial No. 10/212,666, filed August 5, 2002, which is a continuation of U.S. Serial No. 09/966,798, filed September 27, 2001, abandoned, which is a continuation of U.S. Serial No. 09/390,963, filed September 7, 1999, abandoned, which is a divisional of U.S. Serial No. 09/061,546, filed April 16, 1998, now U.S. Pat. 5,998,431, which is a continuation of U.S. Serial No. 08/731,064, filed October 9, 1996, now U.S. Pat. 5,906,834, which is a continuation U.S. Serial No. 08/262,961, filed June 21, 1994, now 5,851,551, which is a continuation-in-part of U.S. Serial No. 07/898,471, filed June 15, 1992, now U.S. Pat. 5,340,581. The following references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: September 15, 2003

Robert C. Nabinger, *Tu Nguyen Reg. No. 42,934 to*
Robert C. Nabinger
Reg. No. 33,431

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906
20724409.doc

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EV 331 002 574 US

September 15, 2003
Date of Deposit

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00216-091011	Application No.
	Applicant Mingchih M. Tseng et al.		
	Filing Date September 15, 2003	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,497,458	12/24/02	Batson et al.			
	AB	6,327,736	12/11/01	Schaefer et al.			
	AC	5,998,431	12/99	Tseng et al.			
	AD	5,906,834	05/99	Tseng			
	AE	5,851,611	12/98	Guttag			
	AF	5,851,551	12/98	Tseng et al.			
	AG	5,845,652	12/08/98	Tseng et al.			
	AH	5,837,111	11/98	Ebert			
	AI	5,823,891	10/98	Winskowicz			
	AJ	5,779,471	07/14/98	Tseng et al.			
	AK	5,723,132	03/98	Tseng et al.			
	AL	5,701,921	12/97	Father et al.			
	AM	5,603,161	02/97	Welsh			
	AN	5,570,325	10/29/96	Arpadi			
	AO	5,551,152	09/03/96	Tseng et al.			
	AP	5,454,164	10/03/95	Yin et al.			
	AQ	5,388,331	02/14/95	Siamak			
	AR	5,349,750	09/27/94	Tseng			
	AS	5,340,581	08/23/94	Tseng et al.			
	AT	5,320,842	06/14/94	Spencer			
	AU	5,313,909	05/94	Tseng et al.			
	AV	5,300,290	05/94	Spencer			
	AW	5,252,577	10/93	Breuer et al.			
	AX	5,254,473	10/93	Patel			
	AY	5,240,735	08/93	Lau			
	AZ	5,240,107	08/31/93	Casale			
	AAA	5,228,478	07/20/93	Kleisle			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00216-091011	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Mingchih M. Tseng et al.	
		Filing Date September 15, 2003	Group Art Unit

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BA	5,169,645	12/08/92	Shukla et al.			
	BB	5,119,557	06/09/92	Kaiko			
	BC	5,113,585	05/19/92	Rogers et al.			
	BD	5,098,711	03/24/92	Hill et al.			
	BE	5,096,833	03/92	Lau et al.			
	BF	5,095,619	03/17/92	Davis et al.			
	BG	5,070,891	12/10/91	Rutherford			
	BH	5,069,231	12/03/91	Rutherford			
	BI	5,062,209	11/05/91	Rais			
	BJ	5,061,106	10/29/91	Kent			
	BK	5,053,339	10/91	Patel			
	BL	5,049,358	09/91	Lau			
	BM	5,019,400	05/28/91	Gombotz et al.			
	BN	5,015,504	05/91	Gent et al.			
	BO	5,011,445	04/91	Nakasuji et al.			
	BP	5,002,075	03/26/91	Kellett et al.			
	BQ	4,986,288	01/22/91	Kent et al.			
	BR	4,980,150	12/25/90	Keith			
	BS	4,978,391	12/18/90	Jones			
	BT	4,941,487	08/17/90	VanBeneden			
	BU	4,931,051	06/90	Castello			
	BV	4,904,479	02/27/90	Illum			
	BW	4,892,736	01/09/90	Goodman			
	BX	4,875,287	10/24/89	Creasy et al.			
	BY	Re 33,093	10/17/89	Schiraldi et al.			
	BZ	4,872,263	10/10/89	Etheredge, III			
	BAA	4,861,627	08/29/89	Mathiowitz et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00216-091011	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Mingchih M. Tseng et al.	
		Filing Date September 15, 2003	Group Art Unit

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	CA	4,856,541	08/15/89	Kellett et al.			
	CB	4,837,007	06/06/89	Duckworth et al.			
	CC	4,834,076	05/30/89	Millet et al.			
	CD	4,802,255	02/89	Breur et al.			
	CE	4,780,320	10/25/88	Baker			
	CF	4,759,713	07/88	Heiss et al.			
	CG	4,713,243	12/15/87	Schiraldi et al.			
	CH	4,697,342	10/6/87	Ferraro			
	CI	4,685,883	08/11/87	Jernberg			
	CJ	4,624,051	11/25/86	Apprille, Jr. et al.			
	CK	4,604,604	08/05/86	Mann			
	CL	4,586,255	05/06/86	Jacobson			
	CM	4, 517,703	05/21/85	Koke			
	CN	4, 479,501	10/84	Chern			
	CO	4, 411,041	10/25/83	Braga			
	CP	4, 268,958	05/26/81	Hilbert			
	CQ	4,257,188	03/81	Barker			
	CR	4,208,984	06/24/80	Glanzman			
	CS	4,201,599	05/06/80	Morgans			
	CT	4,170,821	10/16/79	Booth			
	CU	4,071,645	01/78	Kahn			
	CV	4,033,365	07/05/77	Klepak et al.			
	CW	4,018,729	04/19/77	Faucher et al.			
	CX	3,992,336	11/16/76	Faucher et al.			
	CY	3,991,766	11/16/76	Schmitt et al.			
	CZ	3,978,206	08/31/76	Naumann et al.			
	CAA	3,960,757	06/01/76	Morishita et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00216-091011	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Mingchih M. Tseng et al.	
		Filing Date September 15, 2003	Group Art Unit

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	DA	3,943,949	03/16/76	Ashton et al.			
	DB	3,934,001	01/20/76	Watson			
	DC	3,898,172	08/75	Reif et al.			
	DD	3,897,795	08/05/75	Engel			
	DE	3,879,844	4/29/75	Griffiths			
	DF	3,833,008	09/03/74	Blackett, Jr.			
	DG	3,830,247	08/20/74	Kaphalakos			
	DH	3,810,479	05/74	Miles			
	DI	3,771,536	11/13/73	Dragan			
	DJ	3,699,979	10/24/72	Muhler et al.			
	DK	3,618,563	11/09/71	Singer			
	DL	3,512,256	11/09/66	Snyder			
	DM	3,394,456	09/09/66	Gatz			
	DN	3,380,848	04/30/68	Horowitz et al.			
	DO	3,258,805	07/66	Rossnan			
	DP	3,229,659	09/22/64	Sciascia			
	DQ	3,162,572	12/22/64	Granquist et al.			
	DR	3,067,218	02/05/63	Cook et al.			
	DS	4,381,293	04/26/83	Michel			
	DT	4,307,739	12/81	Chern			
	DU	2,965,912	12/27/60	Cohen et al.			
	DV	2,939,164	05/07/60	Rosenthal et al.			
	DW	2,938,814	05/31/60	Cohen et al.			
	DX	2,901,392	08/25/59	Cohen et al.			
	DY	2,885,993	04/22/57	Murphy			
	DZ	2,880,129	03/31/59	Billings et al.			
	DAA	2,812,575	11/4/54	Abbott et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00216-091011	Application No.
	Applicant Mingchih M. Tseng et al.		
	Filing Date September 15, 2003	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	EA	2,750,664	11/16/53	Merlo			
	EB	2,703,451	03/08/55	Hensel			
	EC	2,680,290	02/01/49	Steinberg			
	ED	2,670,489	03/02/54	Cross et al.			
	EE	2,667,443	01/26/54	Ashton et al.			
	EF	2,386,085	10/02/45	Babel			
	EG	2,326,774	07/11/39	Freedman			
	EH	2,304,478	12/08/42	Rosenzweig			
	EI	2,216,333	10/01/40	White et al.			
	EJ	2,099,888	11/23/37	Hill et al.			
	EK	1,673,638	06/12/28	Peterson			
	EL	1,411,681	04/04/22	Burlew			
	EM	846,900	05/12/07	Bloom			
	EN	639,376	12/1899	Goehring			
	EO	259,268	10/05/26	Gordijn et al.			
	EP	21,197	09/05/39	Hill et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	EQ	WO 96/04112	15.02.96	PCT				
	ER	WO 96/01172	18.01.96	PCT				
	ES	WO 95/22444	08.24.95	PCT				
	ET	WO 95/20472	08.03.95	PCT				
	EU	JP 7-124344	05.16.95	Japan				
	EV	WO 93/15883	08.19.93	PCT				
	EW	WO 93/16135	08.19.93	PCT				
	EX	0550835	07.14.93	EPO				

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00216-091011	Application No.
	Applicant Mingchih M. Tseng et al.		
	Filing Date September 15, 2003	Group Art Unit	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	FA	2637528	04.13.90	France				
	FB	3604983	08.20.87	Germany				
	FC	3533238	02.26.87	Germany				
	FD	0244118	14.04.87	EPO				
	FE	2563142	10.15.85	France				
	FF	2024082 A	05.31.78	United Kingdom				
	FG	133093	04.25.33	Austria				
	FH	259268	10.05.26	Great Britain				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	FI	Müller et al., "Camouflage nanospheres: a new approach to bypassing phagocytic blood clearance by surface modified particulate carriers", <i>Pharm. Pharmacol Lett</i> , 3 (1993) 67-70
	FJ	Blume et al., "Specific targeting with poly(ethylene glycol)-modified liposomes: coupling of homing. . .", <i>Biochimica et Biophysica Acta</i> , 1149 (1993) 180-184
	FK	Torchilin et al., "Targeted accumulation of polyethylene glycol-coated immunoliposomes in infarcted rabbit myocardium", <i>The FASEB Journal</i> , 6 (June 1992) 2716-2719
	FL	Sparks, Memo regarding Gillette Project Descriptions, (June 22, 1994)
	FM	Heller et al., "In Vitro and In Vivo Release of Levonorgestrel from Poly(orthoesters), <i>Journal of Controlled Release</i> , 1 (1985) 225-232
	FN	Holland et al., "Polymers for Biodegradable Medical Devices. 1. The Potential of Polyesters as Controlled Macromolecular Release Systems", <i>Journal of Controlled Release</i> , 4 (1986) 155-180
	FO	Mathiowitz et al., "Polyanhydride Microspheres as Drug Carriers. II. Microencapsulation by Solvent Removal", <i>Journal of Applied Polymer Science</i> , 35 (1988) 755-774
	FP	Mathiowitz et al., "Polyanhydride microspheres: 3. Morphology and characterization of systems made by solvent removal", <i>Polymer</i> , 31 (March 1990) 547-555

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	